

CURRICULUM VITAE

Dr. Mallamma V. Reddy

Assistant Professor,
Department of Computer Science,
Rani Channamma University,
Vidyasangama, PBNH-4,
Belagavi-591156
Mob: (0091) 8722311459
E-Mail: mvreddy@rcub.ac.in



Academic Qualification

Ph.D.: Bangalore University, Bangalore, Karnataka

K-SET: University of Mysore, Mysore, Karnataka

M.C.A: BMS Institute of Technology, Bangalore, affiliated to Visvesvaraya
Technological University Belagavi, Karnataka

Teaching experience

- **Assistant Professor:** Rani Channamma University from Aug 2013.
- **Lecturer:** Sheshadripuram college, Kengeri Bangalore from July 2013- Aug 2013
- **UGC MRP Project Fellow:** Bangalore University, Bangalore from Dec 2010- Feb 2013
- **HOD/Lecturer:** GVS College of Business Management, Anekal Bangalore from June 2007- Jan 2009

Research Guidance:

- Successfully Guided one research scholar.
- Presently guiding Four (04) Research Scholars.
- Guided over 120 students for Mini Projects (MCA/M.Sc.)
- Helping students to Qualify for UGC NET and SET.

Awards and Recognition

- **Innovator/Discoverer KSTA Prize 2023-24 Award:** Karnataka Science and Technology Academy, Department of Science and Technology Govt. of Karnataka.
- **Young Scientist Award-2013:** Indian Science Congress Association (ISCA) held at 100th Indian Science Congress Association Kolkata.
- Astar Scholastic **Young investigator award-2013** by IOAJ held at Pune.
- **Best Paper** award by CMRIT, at Bangalore.
- **Gold Medallist** MCA-2007 Batch BMSIT Bangalore.

Research Areas

- Natural Language Processing
- Machine Learning
- Cross Language Information Retrieval.

Research Projects

- Minor Research Project entitled “Development of Advanced Tool for the Preservation of Kannada Inscriptions Using ML” funded by PM USHA MERU (₹1,00,000/-) Period of One Year from 13/02/2025 to 13/02/2026.
- Minor Research Project entitled "Multilingual Natural Language Voice Translation to Target Language Text" funded (₹75,000/-) by Rani Channamma University Belagavi, completion date: 12/10/2021

Membership

- **Associate Fellow:** Karnataka Science and Technology Academy, Department of Science and Technology Govt. of Karnataka (2024-2029)
- **Life Member** of Indian Science Congress Association (ISCA) LM: L22130
- **Life member** of ISTE LM:120487

- **Life member** of IAENG M:129844
- **Life Member** of SIS-2017 SM:703
- **Member** of IFERP
- **Editorial Board Member** of Science PG USA (2 years-2017-19)
- **Member** of CSTA (Computer Science Teachers Association)

Additional Responsibilities

- Serving as IT Coordinator for Rani Channamma University -2017-till
- Serving as Nodal officer for E-office implementation Karnataka State Higher Education Council (KSHEC) at university initiated by Govt. of India for Rani Channamma University-2019-till
- Serving as Nodal Officer for Website Design and Maintenance -2020-till
- Rendering Service as Network Administrator for Rani Channamma University-2024-till
- Serving as Member of Local Inquiry Committee (LIC) for inspection of RCU affiliated colleges
- Serving as Computer Science Department coordinator for IQAC-2019-till
- Serving as Computer Science Department Student coordinator
- Rendering Service as co-coordinator Internal Complaint Committee (ICC) Cell 2016-2020, Rani Channamma University, Belagavi
- Rendering Service as Member Research Committee of Rani Channamma University 2016 to till date, Belagavi
- Rendering Service as Member Women Empowerment Cell 2016-2022, 2024- till date, Rani Channamma University.
- Coordinator for Inter-departmental sports activities from 2013 to till date

Examination/ Evaluation

- Serving as Chairman/Member for Ph.D./MCA/M.Sc. (Computer Science)
 - Board of Examination
 - Board of Studies

- Board of Appointing Examiner
- Doctoral committee
- Department Council
- Rendering service as Invigilator for PG/MCA/Ph.D. Examinations
- Rendering service as Question Paper setter for M.Sc./MCA/Ph.D. Examinations
- Rendering Service as Evaluator of Answer Scripts for M.Sc./MCA/Ph.D.
- Rendering Service as Board of Examination for Karnatak University Dharwad, Gulbarga University, Davanagere University, Mangalore University, Bidar University, Bagalkot University, Raichur University.
- Representative and Observer for PGCET-2014 MBA/MCA programme at Gulbarga Centre.
- Coordinator for PGCET-2014 MBA/MCA programme.
- Deputy custodian for PG Central Valuation for all PG courses for the academic year 2014-15 for Dec-2014 for I and III Sem and June 2015 for II and IV Sem.
- Observer for UGC NET Dec-2014, June-2015, JEE April-2015, AIPMT July 2015.

Resource person for Orientation/Refresher/FDP

1. “Eoffice Implementation at Universities.” Is delivered at The Malaviya Mission Teacher Training Center is organizing a Online STC in MOOC and Online Education from 27/01/2025 to 01/02/2025. At UGC-Malaviya Mission Teacher Training Center at Dr. Babasaheb Ambedkar Marathwada University delivered on 28/01/2025
2. INTI International University Malaysia-Computer Animation in Advance Computing, 1st July 2024.
3. Online Refresher Course in E-Content Development and MOOC Aurangabad dated on 17th Jan 2024 at Dr. Babasaheb Ambedkar Marathwada University, organized by UGC-Malaviya Mission Teacher Training Centre Aurangabad

4. Information and Communication Technology at District Training, Centre Belagavi dated on 23/02/2024

Orientation/Refresher/FDP participated

1. Two weeks Faculty Development Program on “Text Analytics with Deep Learning” conducted by Electronics and ICT Academy, NIT Patna under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” (Online) from 28th February 2025 - 07th March, 2025. Ministry of Electronics and Information Technology (MeitY), Government of India.
2. One Week National Level Online Faculty Development Program on “Outcome Based Education and Application of Generative AI in Teaching and Research” conducted by DST-CURIE-AI centre of Sri Padmavati Mahila Visvavidyalam (SPMVV University), Tirupati and Sponsored by IPSR Solutions Limited (Online) from 18 March 2024 to 23 March 2024.
3. Two Week interdisciplinary Refresher Course on “Advanced Research Methodology” conducted by Teaching Learning Centre, Ramanujan College University of Delhi from 22/04/2023 to 06/05/2023
4. Refresher course on “Managing Online Classes & Co- creating MOOCS 5.0” conducted by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING from 11 - 25 May, 2021
5. Faculty Development Programme on “Virtual Hands-on Training Program on Python for Data Analysis” conducted by REVA University, Bangalore from 17th to 19th JUNE 2020.
6. Faculty Development Programme on “Machine Learning” conducted by BMS institute of technology and Management Bangalore from 27th to 31st July 2020.

7. CSIR Summer Research Training Program (CSIR-SRTP)2020 online on “Research Project” from 1st June to August 2020
8. Refresher course on “Computer Application” conducted by UGC-HRDC Devi Ahilya Vishwavidyalaya Indore from 26th May to 8th June 2020.
9. Faculty Development Programme on “Internet of Things and Its Real Time Applications” conducted by MHRD Dept of Technology NIT Warangal from 28th January to 2nd February 2019.
10. Faculty Development Programme on “Data Science” conducted by MHRD Dept of Technology Shivaji University, Kolhapur from 10th Dec 2018 to 16th Dec 2018.
11. Refresher course on “Internet of Things” conducted by Jawaharlal Nehru Technological University, Hyderabad from 09/10/2017 to 30/10/2017
12. UGC Sponsored Orientation Programme conducted by UGC-HRDC Mysore University, Mysore from 18/02/2014 to 17/03/2014
13. ISRO OFF-Campus Outreach programme on “Geo Stationary” conducted by Indian Space Research Organization, Department of Space, Govt. of India

Books Published

1. “Software Engineering” published by Himalaya Publishing House. ISBN:978-93-5693-923-3, Year:2023
2. “Object Oriented Programming using JAVA” published by Himalaya Publishing House. ISBN:978-93-5596-651-3, Year:2022
3. “Discrete Structures” published by Himalaya Publishing House. ISBN:978-93-5693-064-3, Year:2022
4. “Constructs of C programming for beginners”, published by ELIVA Press, Moldova, Europe. ISBN: 978-16364841434, Year:2021
5. “Convergence of Natural Language Processing, IOT Technology and Covid-19Pandemic for new startups: Temple Bell” published by ELIVA Press, Moldova, Europe. ISBN: 9781636484594, Year:2021

6. “Constructs of Natural Processing” by LAP Lambert Academic publishing house ISBN: 978-6139585670, Year:2018
7. “Cross Language Information Retrieval” published by Statperson Publishing Corporation (Public Domain) with ISBN: 9781387447862, Year:2017

**Published Research Papers in Scopus/ Web of Science /UGC Care
Listed Journals:**

1. “Psychological, Emotional, and Sentimental Analysis of Ancient Kannada Inscriptions Employing a Machine Learning Approach” published by journal TPM – Testing, Psychometrics, Methodology in Applied Psychology Vol. 32 No. S7 (2025): Posted 10 October (2025), ISSN:1972-6325.
2. “Digitization and Recognition of Kannada Inscription Dynasty” published by The Scientific Temper (2025) Vol. 16 (10): PP:4858-4863, E-ISSN: 2231-6396, ISSN: 0976-8653, Doi: 10.58414/SCIENTIFICTEMPER.2025.16.10.03.
3. “Sentimental Analysis on Kannada Language Inscriptions Using Machine Learning Techniques” published by International Journal of Basic and Applied Sciences, 14 (7) (2025), PP: 11-18, <https://doi.org/10.14419/vh7haq41>.
4. “Enhancing Kannada text-to-speech and braille conversion with deep learning for the visually impaired” published by The Scientific Temper (2025) Vol. 16 (spl-1): PP:48-52, E-ISSN: 2231-6396, ISSN: 0976-8653, Doi: 10.58414/SCIENTIFICTEMPER.2025.16.spl-1.06.
5. “Cross-Script Translation of Numerals from Kannada Epigraphy using Machine Learning Algorithms” published by Journal of Computational Analysis and Applications VOL. 32, NO. 1, 2024, PP: 1134-1146, Doi:10.48047/jocaaa.2024.32.01.69.

6. "A Traditional Machine Learning Framework for Kannada Text to-Speech Synthesis" published by Journal of Information Systems Engineering and Management, 2024, 9 (4), e-ISSN: 2468 e-ISSN 2468-4376.
7. "KHiTE: Multilingual Speech Acquisition" published in the Indian Journal of Science and Technology, Vol. 16(21), Year: 31-05-2023, PP:1413-1421, Print: 1572-1579, Electronic: 0974-5645
8. "HiTEK Pre-processing for Speech and Text: NLP" published in the Indian Journal of Science and Technology, Vol. 16(19), Year: 12-05-2023, PP:1413-1421, Print: 0974-6846, Electronic: 0974-5645
9. "Bidirectional Braille Transcription for Kannada and Telugu text using Natural Language Processing" published in the International Journal on Recent and Innovation Trends in Computing and Communication. 30 November 2023, Volume: 11 Issue: 11s PP:767-773, ISSN: 2321-8169
10. "Natural Language Algorithm for Iterative Sub-word Generation and Dictionary Acquisition" published in THE INDIAN JOURNAL OF TECHNICAL EDUCATION July - September, 2023, Vol.46(3), PP-54-62, ISSN 0971-3034.
11. "Kannada Inscription classification and sentimental analysis using machine learning algorithms" published in the Journal of the Maharaja Sayajirao University of Baroda.2022,1(1), PP:290-292, ISBN:0025-0422.
12. "Detecting Aggression in Social Media Text: Deep Neural Networks" presented in International Conference on Futuristic Trends in Information Technology held on Saturday,29th April, 2023 organized by BLDEA's A. S. Patil College of Commerce (Autonomous) Vijayapura,29th April, 2023
13. "A Study on Digitising Recognising and Classifying of Kannada Inscriptions" presented in International Conference on Futuristic Trends in Information Technology held on Saturday,29th April, 2023 organized by BLDEA's A. S. Patil College of Commerce (Autonomous) Vijayapura,29th April, 2023

Published Research Papers in Peer-Reviewed Journals

SI. No.	Title	Journal with ISSN & Publisher
1.	Kannada Inscript Identification and its Era Classification Using ML Algorithms	International Journal of Research Publication and Reviews, Vol 5, no 10, pp 2413-2419 October 2024, ISSN 2582-7421
2.	Conversion of Kannada Inscription to Hosagannada Text Using ML Algorithms	International Journal of Research Publication and Reviews, Vol (5), Issue (10), October (2024), Page – 2569-2574, ISSN 2582-7421
3.	Bird Sound Identification Using Machine learning	International Journal of Research Publication and Reviews, Vol (5), Issue (10), October (2024), Page – 1608-1613 ISSN 2582-7421
4.	HiTEK-Hybrid Software Engineering Approach for Noisy and Noiseless Speech: NLP	International Journal of Computer Science and Information Technologies, Vol. 14 (1) Year:2023, PP:16-19, ISSN:0975-9646
5.	Phoneme and Phone Preprocessing Using CLIR Techniques	https://link.springer.com/chapter/10.1007/978-981-15-5309-7_32
6.	Natural Language Processing Semantical and Syntactical Analysis for English	International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 5 Issue: 7 219 – 222
7.	Kannada Phonemes to Speech Dictionary: Statistical Approach	Int. Journal of Engineering Research and Application www.ijera.com ISSN: 2248-9622, Vol. 7, Issue 1, (Part -4) January 2017, pp.77-80
8.	Constructs of Natural Language Processing	International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 8 (1), 2017, 27-30 ISSN: 0975-9646

9.	Language Identification: Contrivance Learning Process using Web Based Disquisition	International Journal of Advanced Research in Computer Science and Software Engineering Volume 5, Issue 7, July 2015 ISSN: 2277 128X
10.	Phonetic dictionary for Natural Language Processing: Kannada	International Journal of Engineering Research and Applications (IJERA) ISSN: 2248:9622, Vol.4, Issue 7 (Version 3).
11.	Semantical and Syntactical Analysis of NLP	International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 5 (3), 2014, 3236 – 3238. ISSN:097-9646
12.	Natural Language Process: A Statistical machine translation approach	The Inderscience open Access Journal (IOAJ) during 17th march 2013
13.	English to Kannada Sentence translation Using POS tagger by reordering parse tree structure	The Inderscience open Access Journal (IOAJ) during 17th march 2013.
14.	Indic Language Machine Translation Tool for NLP	The 100th Indian Science Congress Association for young scientist 's programme award 2012-2013 during Jan 3rd to 7th held at Calcutta University, Kolkata, India.
15.	NLP Challenges for Machine Translation From English To Indian Languages	International Journal of Computer Science and Informatics Volume-3, Issue-1, 2013 ISSN 2231–5292
16.	Interlingual Machine Translation	UACEE International Journal of Artificial Intelligence and Neural Networks Volume 2: Issue 1 -25th April 2012. ISSN 2250 – 3749, PP: 1923

17.	POS Tagger for Kannada Sentence Translation	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 1, Issue 1, May-June 2012, PP-12-15
18.	Natural Language Identification and Translation Tool for Natural Language Processing	International Journal of Science and Applied Information Technology Volume 1, No.4, September – October 2012, ISSN No. 2278-3083
19.	Applications of Text Mining in E-Governance	Towards E-governance in the Cloud: Frameworks, technologies and best practices- ICEG” PP: 62 28 Dec 2012
20.	Indic Language Translation in CLIR using Virtual Keyboard	http://link.springer.com/chapter/10.1007/978-81-322-0740-5_8
21.	Cross Language Information Retrieval Using Search Engine and Data Mining	International Journal of Computer Information Systems (IJCIS) Volume 03, No. 01 published July 2011: ISSN 2229 – 5208. PP: 42-46
22.	Kannada and Telugu Native Languages to English Cross Language Information Retrieval	International Journal of Computer Science and Information Technologies (IJCSIT) volume-2 issues-5 September-October 2011. ISSN: 0975-9646. Pages: 1876-1880
23.	English to Kannada/Telugu Name Transliteration in CLIR: A Statistical Approach	International Journal of Machine Intelligence (IJMI) IISN: 0975-2927 and E-IISN: 0975-9166, Volume 3, Issue 4 pp: 340-345
24.	Sentence Translation for Kannada using Morphological Analyzer and Generator.	International Journal of Information and Communication Technology Research (IJICTR).

Full Papers in Conference Proceedings

Sl. No.	Title	Details of Conference Publication	ISBN/ISSN
1.	Digitization of Kannada Inscriptions and Sentiment Analysis Using Machine Learning Algorithms	in the “Fourth International Conference on Multidisciplinary Research Trends in European, Asian and African Countries 2025” Organized by Eudoxia Research University, USA and Eudoxia Research Centre, Bangalore, Mumbai, Guwahati, India The Academic Senate and International Research Council of Eudoxia Research University and Eudoxia Research Centre Certify that the certificate of appreciation is presented to In Collaboration with Indian Institute of Innovation and Science (IIISc) UniversalWorldResearchInnovationCentre,London, UK(UWRIC)	Registration No: EDX/ERU/IRTEC/2025/PP/1037

		J.A.T.Arts,ScienceandCo mmerceCollege(ForWom en) Malegaon,Nashik,Mahara shtra,India	
2.	Machine Learning- Driven System for Kannada- to-English Text Translation	IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF 2025)	09th - 10th October, 2025
3.	NLP-Based Sentiment Analysis of Kannada Language Inscription	International Conference on Science, Engineering & Management Trends 29th & 30th September 2025	Doi: http://doi.org/10.5281/ze nodo.17213588
4.	Recognition of Hindi Handwritten Text using Deep Learning Technique (RHTDL)	International Conference on Sustainable Smart Computing and Communications (ICSSCC-2025). Volume 10, Special Issue 4, March 2025	ISSN 2454-8596 www.vidhyayanaejourna l.org
5.	Comparative Study of Supervised Machine Learning Methods for Natural Language Kannada Text-to-Braille Conversion	Advances in Communication and Applications Proceedings of ERCICA 2024, Volume 2	https://link.springer.com /chapter/10.1007/978- 981-96-4679-1_23

6.	Breaking Barriers: Machine Learning Approach for Kannada News Text to Braille Conversion	International Conference on Computing and Intelligent Information System, organised by Depart of ISE, CSE and AIML at BNMIT Bengaluru during 19 th and 20 th April 2024.	https://icciis.bnmit.in/papers
7.	Advanced Code Switching Application- COVID-19	Proceedings of the 2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bio-Engineering (ISMACCVB 2020) ELSEVIER PUBLISHER	http://dx.doi.org/10.2139/ssrn.3735927
8.	Phoneme-to-Speech Dictionary for Indian Languages	The IEEE International conference on Soft Computing and Network Security (ICSNS)2015, held on 25th -27th Feb 2015at SNS College Engineering, Tamilnadu, India.	ISSN: 22489622
9.	Metrics for evaluating phonetics machine translation in Natural Language Processing through Modified Edit	International Conference on Computer Communication and Informatics (ICCCI - 2015), Jan. 08 – 10, 2015, Coimbatore, INDIA	ISBN: 978-1-4799-6804-6

	Distance algorithm-A Naïve Approach.		
10.	Indic Language Translation in CLIR using Virtual Keyboard	International Conference on Advances in Computing ICADC2012” held on July 4-6 2012 at M. S. Ramaiah Institute of Technology Bangalore, India	ISBN: 978-81-3220739-9 ISBN: 978-81-3220740-5
11.	CLIR: English to Kannada/Telugu	International Conference on Information Management in the Knowledge Economy (IMKE - 2012)” held on July 16-17 2012 at Chitkara University, Chandigarh India	IISN: 0096545X
12.	Natural Language Identification and Translation Tool for Natural Language Processing	The International Conference on Advanced Computing, Engineering & Technology (ICACET 2012) in Malaysia, October 22-23, 2012	ISSN: 2278-3083

13.	Indic Language Machine Translation Tool: English To Kannada/Telugu	The First International Conference on Multimedia processing, Communication and Computing Applications (ICMCCA-2012), 13-15 December 2012, Bangalore, India	Print ISBN 978-81-322- 1142-6 Online ISBN 978-81-3221143-3
14.	Classification and Analysis of Multivariate observations in Higher Education using Data Mining Techniques	International conference on Advances in Mathematical and Computational Methods AMCM2011, 5th to 7th Jan 2011, Sri Padmavathi Mahila Visvavidyalam, Tirupathi	
15.	Cross Language Information Retrieval Using Search Engine and Data Mining	Second International conference on Advances in Computer Engineering ACE 2011, held on 21st and 22nd October 2011 Trivandrum, Kerala. DOI: 02.ACE.2011.02.	ISBN 978-81- 910691-5- 0.

16.	English to Kannada/Telugu Name Transliteration in CLIR: A Statistical Approach	International Conference on Cognition & Recognition (ICCR)-2011” held on 9 th and 10 th December, 2011 at Mysore University, Mysore	ISSN:09752927
17.	Improving the Performance of Indian Railway system Using Data Mining Techniques	Futuristic Technologies in Computer Science, Engineering & Application (NCFTCEA – 2010) on 10th November, 2010, Bangalore.	ISBN:423428